



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

SGA Inc.
1515 Wykoop
STE 700
Denver Co 80202
ATTN: Clayton Camozzi

12-4S-36W Rawlins KS

Fisher Cattle #1-12

Job Ticket: 60023 **DST#: 2**
Test Start: 2014.10.01 @ 21:37:00

GENERAL INFORMATION:

Formation: **LKC " B - D "**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 00:24:00
 Time Test Ended: 05:45:00
 Interval: **4206.00 ft (KB) To 4262.00 ft (KB) (TVD)**
 Total Depth: 4262.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Ryan Nichols
 Unit No: 78
 Reference Elevations: 3295.00 ft (KB)
 3290.00 ft (CF)
 KB to GR/CF: 5.00 ft

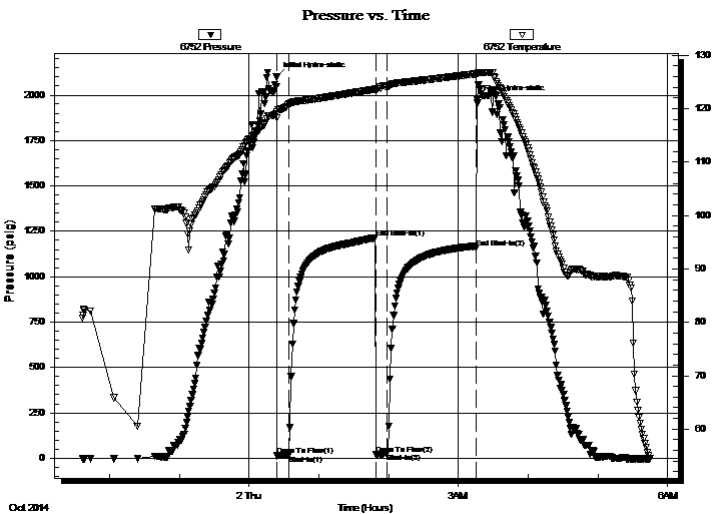
Serial #: 6752

Inside

Press@RunDepth: 27.25 psig @ 4207.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.10.01 End Date: 2014.10.02 Last Calib.: 2014.10.02
 Start Time: 21:37:05 End Time: 05:44:59 Time On Btm: 2014.10.02 @ 00:23:30
 Time Off Btm: 2014.10.02 @ 03:16:00

TEST COMMENT: 10 IF - Surface blow built to 3/4"
 75 ISI - No return
 10 FF - No blow
 75 FSI - No return

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2099.92	119.04	Initial Hydro-static
1	13.98	118.22	Open To Flow (1)
11	18.72	120.83	Shut-In(1)
86	1214.66	123.66	End Shut-In(1)
86	21.02	123.36	Open To Flow (2)
95	27.25	124.05	Shut-In(2)
172	1156.93	126.52	End Shut-In(2)
173	1972.66	126.59	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud - 100%M	0.02

* Recovery from multiple tests

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



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FLUID SUMMARY

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Test Start: 2014.10.01 @ 21:37:00

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 51.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.79 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 500.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

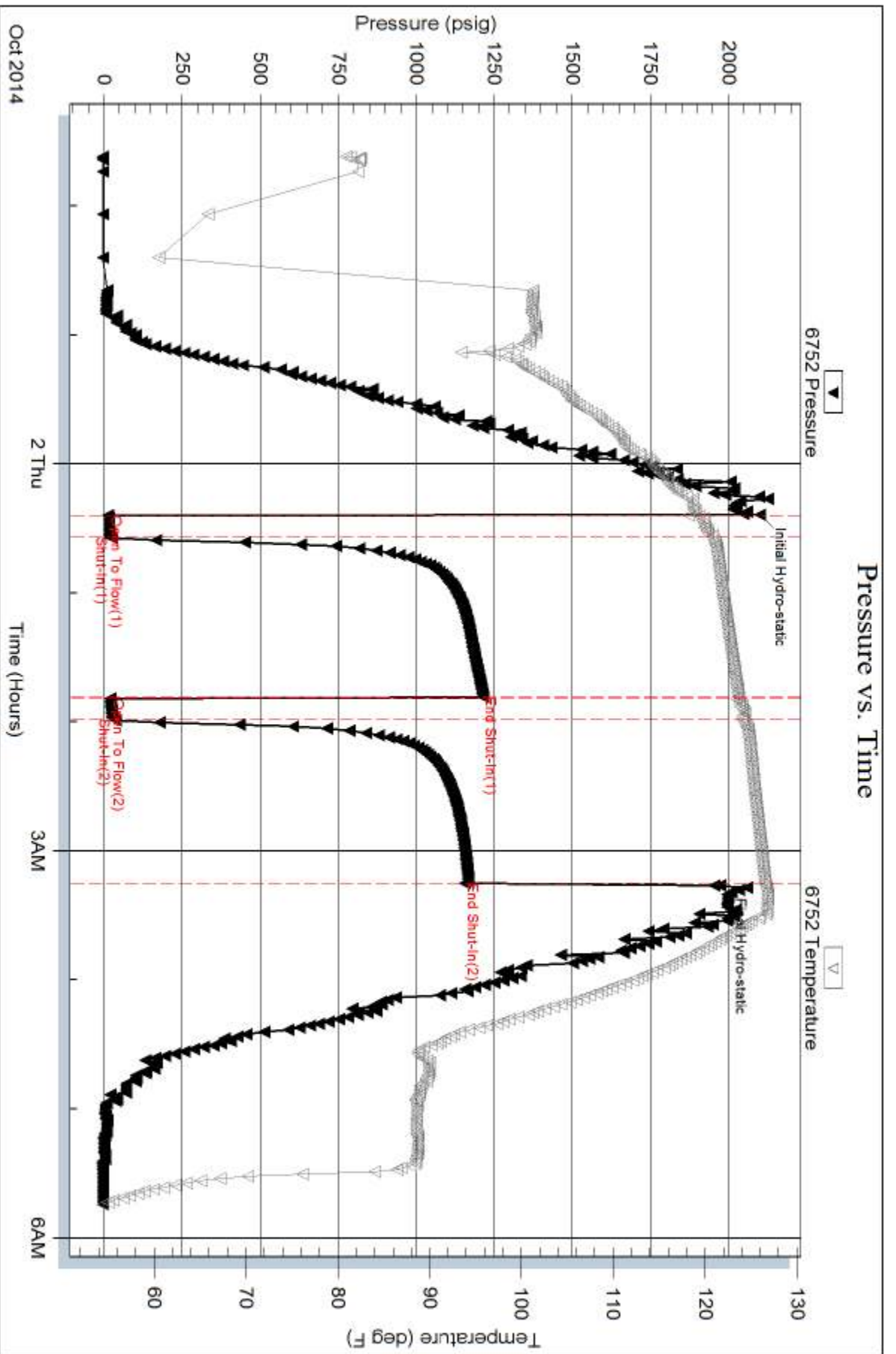
Length ft	Description	Volume bbl
5.00	Mud - 100%M	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments: Sampler = 2000ml M - 2000ml Total - 190 PSI



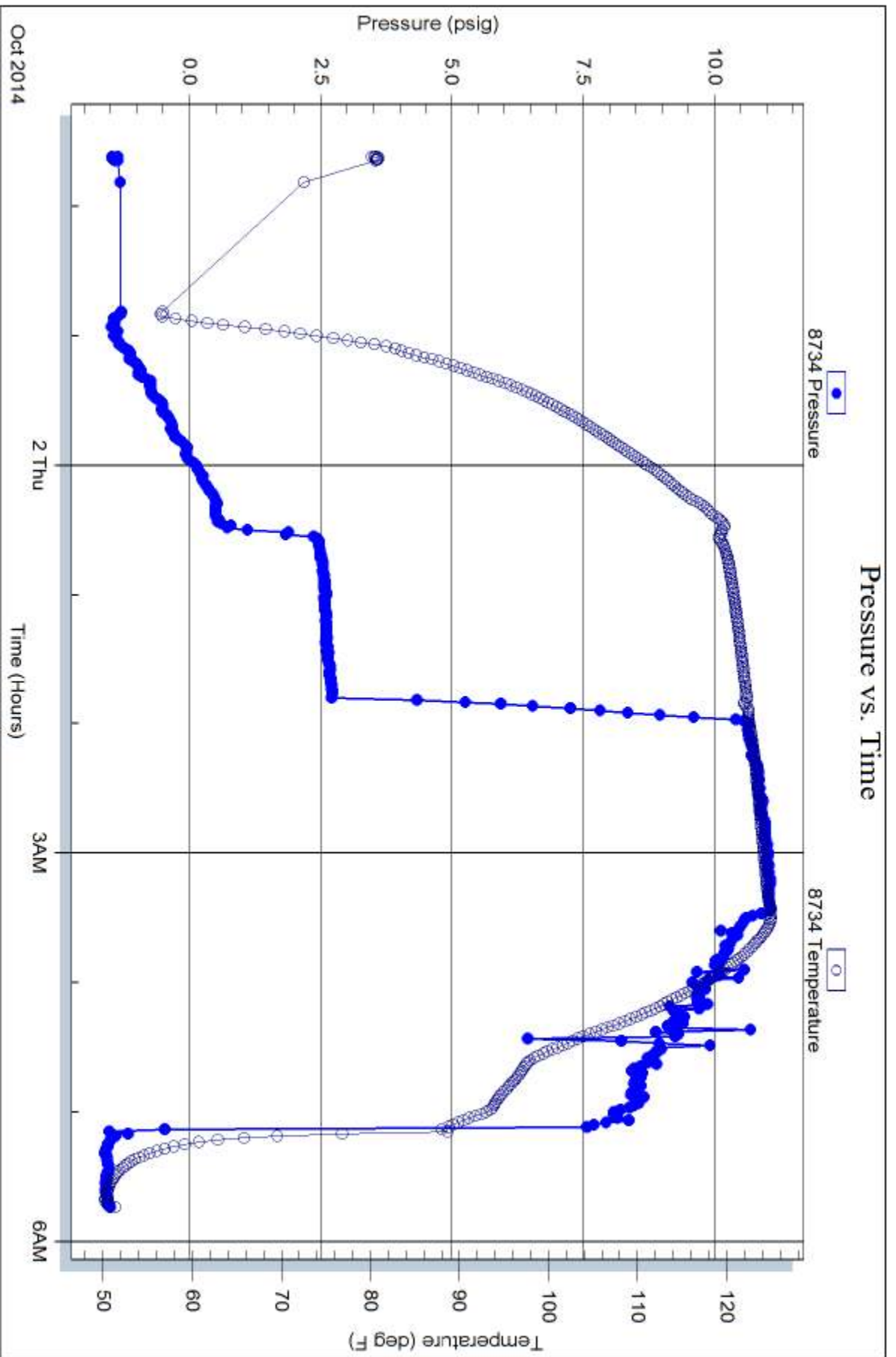
Serial #: 8734

Fluid

SGA Inc.

Fisher Cattle #1-12

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 60023

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